

As per CCB meeting held on 10-11-95, the table below (i.e. file "ccr747a3.doc") now includes a separate "Note" for data entry people for creating new links between L3 IDs(i.e. rel A RbRs )and L4 IDs.

File "ccr747a3.doc" is the only attachment file for CCR 95-0747.

Note: 1. Changes made to a file ccr747a1.doc and included in ccr747a2.doc:

- L4 IDs, for new requirements, are adjusted to avoid duplication between Rel. A and Rel. B

2. Changes made to a file ccr747a2.doc and included in ccr747a3.doc:

- A column under the heading "Note" is added for creating the links between L3 IDs(i.e. rel A

| L3 ID      | RTM key | L3 RbR Text   | RbR Type   | Interpretation | L4 ID              | RTM key    | Rel      | L4 Rqmt Text   |
|------------|---------|---|------------|----------------|--------------------|------------|----------|--|
| EOSD4036#A | 1167    | The operational availability of individual ESN segments shall be consistent with the specific operational availability of the supported ECS functions | Functional |                | <u>C-MSS-03710</u> | <u>new</u> | <u>A</u> | <u>Each printer shall have a print density of 300 dpi.</u>   |
| SMC-3385#A | 2671    | The LSM shall evaluate system performance against the ESDIS project established performance criteria  | Functional |                | <u>C-MSS-66305</u> | <u>new</u> | <u>A</u> | <u>The MSS Performance Management Application Server shall be capable of collecting the following performance data:</u><br><u>a. start time</u><br><u>b. stop time</u><br><u>c. CPU utilization</u><br><u>d. memory utilization</u><br><u>e. disk reads</u><br><u>f. disk writes</u> |

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| SMC-3385#A | 2671 | The LSM shall evaluate system performance against the ESDIS project established performance criteria | Functional |  | <u>C-MSS-66320</u> | <u>new</u> | <u>A</u> | <u>The MSS Performance Management Application Server shall be capable receiving the following performance data from the Data Server:</u><br><u>a. total order volume</u><br><u>b. average elapsed time for Data Server</u>   |
| SMC-3385#A | 2671 | The LSM shall evaluate system performance against the ESDIS project established performance criteria | Functional |  | <u>C-MSS-66330</u> | <u>new</u> | <u>A</u> | <u>The MSS Performance Management Application Server shall be capable receiving the following performance data from Data Processing:</u><br><u>a. number of requests generated</u><br><u>b. product run time</u><br><u>c. product CPU utilization</u>                    |
| SMC-3385#A | 2671 | The LSM shall evaluate system performance against the ESDIS project established performance criteria | Functional |  | <u>C-MSS-66340</u> | <u>new</u> | <u>A</u> | <u>The MSS Performance Management Application Server shall be capable receiving the following performance data from Ingest:</u><br><u>a. ingest volume</u><br><u>b. processing time</u><br><u>c. no. of completed requests</u><br><u>d. no. of unsuccessful requests</u> |

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| EOSD-0500#A | 3164 | <p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> <li>a. EOS Mission Planning and Scheduling</li> <li>b. EOS Mission Operations</li> <li>c. Command and Control</li> <li>d. Communications and Networking</li> <li>e. Data Input</li> <li>f. Data Processing</li> <li>g. Data Storage</li> <li>h. Data Distribution</li> <li>i. Information Management</li> <li>j. End-to-End Fault Management</li> <li>k. System Management</li> </ul> | Functional |  | <u>C-MSS-36042</u> | <u>new</u> | <u>A</u> | <p>The MSS management service shall trap ECS management events to management services using a reliable notification mechanism.</p> |
| EOSD-0500#A | 3164 | <p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> <li>a. EOS Mission Planning and Scheduling</li> <li>b. EOS Mission Operations</li> <li>c. Command and Control</li> <li>d. Communications and Networking</li> <li>e. Data Input</li> <li>f. Data Processing</li> <li>g. Data Storage</li> <li>h. Data Distribution</li> <li>i. Information Management</li> <li>j. End-to-End Fault Management</li> <li>k. System Management</li> </ul> | Functional |  | <u>C-MSS-36045</u> | <u>new</u> | <u>A</u> | <p>The MSS management service shall trap ECS management events to management services using a secure notification mechanism.</p>   |

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| EOSD-0500#A | 3164 | <p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> <li>a. EOS Mission Planning and Scheduling</li> <li>b. EOS Mission Operations</li> <li>c. Command and Control</li> <li>d. Communications and Networking</li> <li>e. Data Input</li> <li>f. Data Processing</li> <li>g. Data Storage</li> <li>h. Data Distribution</li> <li>i. Information Management</li> <li>j. End-to-End Fault Management</li> <li>k. System Management</li> </ul> |            |  | <u>C-MSS-36052</u> | <u>new</u> | <u>A</u> | <u>The MSS management agent service shall receive ECS management set messages from management set using a reliable mechanism.</u> |
| EOSD-0500#A | 3164 | <p>ECS shall perform the following major functions:</p> <ul style="list-style-type: none"> <li>a. EOS Mission Planning and Scheduling</li> <li>b. EOS Mission Operations</li> <li>c. Command and Control</li> <li>d. Communications and Networking</li> <li>e. Data Input</li> <li>f. Data Processing</li> <li>g. Data Storage</li> <li>h. Data Distribution</li> <li>i. Information Management</li> <li>j. End-to-End Fault Management</li> <li>k. System Management</li> </ul> | Functional |  | <u>C-MSS-36055</u> | <u>new</u> | <u>A</u> | <u>The MSS management agent service shall receive ECS management set messages from management set using a secure mechanism.</u>   |

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| SMC-1000#A | 2538 | The SMC shall provide application programming interfaces (APIs) for the monitoring and control of managed resources. These APIs shall provide mechanisms for:<br>a. Capturing, by an application, of management data<br>b. Exchanging management data between a managed application and its management agent<br>c. Exchanging management data between a management agent and the LSM<br>d. Performing analyses and generating reports using management data | Functional |  | <u>C-MSS-16110</u> | <u>new</u> | <u>A</u> | <u>The MSS monitor/control shall provide AF provide the cap for management exchange with management applications.</u>      |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges   | Functional |  | <u>C-MSS-75025</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable receiving requests for user profile data from ECS applications</u>   |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges   | Functional |  | <u>C-MSS-75030</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable receiving requests for user profile data from M&amp;O operators.</u> |

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| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75035</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable sending request profile data to EOC applications</u>                     |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75040</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable sending request profile data to M&amp;O operators.</u>                   |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75045</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable receiving request the status of a data order from M&amp;O operators.</u> |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75050</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable receiving request user account history data from M&amp;O operators.</u>  |

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| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75055</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable sending request status of a specified order to M&amp;O operators.</u> |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-75057</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable sending request account history M&amp;O operators.</u>                |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-76005</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable retrieving user data for a specified managed resource.</u>            |
| SMC-7300#A | 2771 | The SMC shall establish, maintain, and update the authorized users inventory to include, at a minimum:<br>a. Users identifications<br>b. Addresses<br>c. Allowed privileges | Functional |  | <u>C-MSS-77005</u> | <u>new</u> | <u>A</u> | <u>The MSS Account Management System shall be capable retrieving data processing information for a specified resource.</u>  |

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| ESN-0010#A | 1213 | ESN shall provide the following standard services:<br>a. Data Transfer and Management Services<br>b. Electronic Messaging Service<br>c. Remote Terminal Service<br>d. Process to Process Communications Service<br>e. Directory and User Access Control Service<br>f. Network Management Service<br>g. Network Security and Access Control Service<br>h. Internetwork Interface Services<br>i. Bulletin Board Service | Functional |  | <u>C-ISS-01256</u> | <u>new</u> | <u>A</u>   | <u>The ISS shall provide LAN connectivity OSI Layer 1 through services between CSMS components EDC DAAC.</u> |
| ESN-0070#A | 1216 | The ESN shall support the elements data flow requirements identified in this specification.   |            |  | <u>C-ISS-01256</u> | <u>" "</u> | <u>" "</u> | <u>" "</u>   |



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| SMC-2600#A | 2628 | <p>The SMC shall support, control, and maintain ECS policies and procedures covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Site or element responsibility and authority</li> <li>b. Resource management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> | Functional |  | <u>C-MSS-91012</u> | <u>new</u> | <u>A</u> | <p><u>The MSS Office Automation work processing capabilities shall be capable of importing from text and RTF formats</u></p> |
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| SMC-2605#A | 2630 | <p>The LSM shall support the site and element in implementing ESDIS Project policies and procedures received from the SMC covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Element responsibility and authority</li> <li>b. Resource Management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System Enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> |  |  | <u>C-MSS-91012</u> | " " | " " | " " |
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| SMC-2600#A | 2628 | <p>The SMC shall support, control, and maintain ECS policies and procedures covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Site or element responsibility and authority</li> <li>b. Resource management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> | Functional |  | <u>C-MSS-91015</u> | <u>new</u> | <u>A</u> | <p><u>The MSS Office Automation word processing capabilities shall be capable of exporting to PC ASCII text, and F formats.</u></p> |
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| SMC-2605#A | 2630 | <p>The LSM shall support the site and element in implementing ESDIS Project policies and procedures received from the SMC covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Element responsibility and authority</li> <li>b. Resource Management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System Enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> |  |  | <u>C-MSS-91015</u> | " " | " " | " " |
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| SMC-2600#A | 2628 | <p>The SMC shall support, control, and maintain ECS policies and procedures covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Site or element responsibility and authority</li> <li>b. Resource management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> | Functional |  | <u>C-MSS-91025</u> | <u>new</u> | <u>A</u> | <p><u>The MSS Office Automation spr</u><br/> <u>capability shall</u><br/> <u>capable of imp</u><br/> <u>from and export</u><br/> <u>ASCII text and E</u><br/> <u>formats</u></p> |
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| SMC-2605#A | 2630 | <p>The LSM shall support the site and element in implementing ESDIS Project policies and procedures received from the SMC covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Element responsibility and authority</li> <li>b. Resource Management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System Enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> |  |  | <u>C-MSS-91025</u> | " " | " " | " " |
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| SMC-2600#A | 2628 | <p>The SMC shall support, control, and maintain ECS policies and procedures covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Site or element responsibility and authority</li> <li>b. Resource management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> | Functional |  | <u>C-MSS-91035</u> | <u>new</u> | <u>A</u> | <p><u>The MSS Office Automation gra</u><br/> <u>capability shall</u><br/> <u>capable of imp</u><br/> <u>from and export</u><br/> <u>Postscript and G</u><br/> <u>formats.</u></p> |
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| SMC-2605#A | 2630 | <p>The LSM shall support the site and element in implementing ESDIS Project policies and procedures received from the SMC covering the following areas, at a minimum:</p> <ul style="list-style-type: none"> <li>a. Element responsibility and authority</li> <li>b. Resource Management</li> <li>c. Fault recovery</li> <li>d. Testing</li> <li>e. Simulation</li> <li>f. Maintenance</li> <li>g. Logistics</li> <li>h. Performance evaluation</li> <li>i. Training</li> <li>j. Quality and product assurance</li> <li>k. Inventory management</li> <li>l. System Enhancements</li> <li>m. Finance management</li> <li>n. Administrative actions</li> <li>o. Security</li> </ul> |  |  | <u>C-MSS-91035</u> | " " | " " | " " |
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|  |  |  |  |  | C-MSS-66310 | 4889 | A | The MSS Performance Management Application Server shall be capable of retrieving the science algorithm performance data from the Management Access Service:<br>a. algorithm name<br>b. algorithm version<br>c. start time<br>d. stop time<br>e. CPU utilization<br>f. memory utilization<br>g. disk reads<br>h. disk writes |
|  |  |  |  |  | C-HRD-42015 | 915  | A | The GSFC LSM in a 12-month timeframe shall provide two (2) Management Workstations, which shall perform any EOD LSM function.   |
|  |  |  |  |  | C-HRD-44015 | 929  | A | The MSFC LSM in a 12-month timeframe shall provide two (2) Management Workstations, which shall perform any EOD LSM function.   |
|  |  |  |  |  | C-HRD-45015 | 935  | A | The LaRC LSM in a 12-month timeframe shall provide two (2) Management Workstations, which shall perform any EOD LSM function.   |
|  |  |  |  |  | C-HRD-46015 | 941  | A | The EDC LSM in a 12-month timeframe shall provide two (2) Management Workstations, which shall perform any EOD LSM function.  |

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|  |  |  |  |  | C-MSS-16050 | 4874 | A | The MSS Monitor/Control shall <del>allow cust</del> M&O staff even notifications an automatic action provide the cap for the following executed upon receipt of a message event or trap:<br>a. an operator UNIX script<br>b. a command<br>c. an application                          |
|  |  |  |  |  | C-MSS-60420 | 266  | A | The MSS Fault Management Application Server shall interface with the MSS Configuration Management Application Server schedule a change to the configuration site when such in the configuration the site is deemed necessary to recover from a fault [change to provide requirement] |
|  |  |  |  |  | C-ISS-01320 | 952  | A | [delete requirement an exact duplicate of ISS-01300]   |
|  |  |  |  |  | C-ISS-04040 | 5227 | A | The EOC Operations shall have no single point of failure critical real-time functions.   |
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